



## DA Series FlexEdge Module, Single PID, SSR and Analog Outputs

Item number: DAM00PDP1SA00000

The FlexEdge 1PID with SSR and Analog Outputs Module easily upgrades, adapts and expands almost any industrial application with a field-installable module. Rugged packaging built for long life and superior performance in harsh conditions. Single loop PID control with 3 SSR outputs + 1 analog output.



*Enhance your DA70 controller with true modular PID control for multi-zone control applications.*

### Features and benefits

- ✓ **Field-installable I/O for your DA71**  
Do more with your DA70. Plugs easily into your FlexEdge for additional input and output capability. Auto-addressing minimizes configuration time.
- ✓ **Universal inputs**  
Accept TC, RTD, 0-10 V and 0/4-20 mA signals
- ✓ **Solid State Relay (SSR) outputs**  
Outputs 1, 2 and 3 available as Solid State NFET relay.
- ✓ **Easy to use graphical interface**  
Configured with Crimson® configuration software (version 3.2 or later). User-friendly web browser interface make it easy to set up new systems and recalibrate.
- ✓ **LED status monitoring**  
One status LED shows module condition. Output LEDs indicate status of outputs. Alarm LEDs are lit during an internal alarm condition.
- ✓ **Leading industry certifications**  
ATEX/IECEx and Class 1, Division 2 approvals for hazardous locations. ABS type approval for shipboard applications. CE approved and RoHS compliant.
- ✓ **Single PID control**  
Perform virtually any combination of time proportioning or linear control for heat, cool, or heat/cool applications. PID control with overshoot suppression that allows the quickest response without excessive overshoot.
- ✓ **DC analog output**  
The DC Analog Output (10 V or 20 mA) can be independently configured and scaled for control or re-transmission purposes.
- ✓ **Flexible operation**  
Module can operate in On/Off, P, PI, or PID control mode, and use an on-demand Auto-Tune that establishes the tuning constants. The PID constants may be fine-tuned through the serial or Ethernet interface.
- ✓ **Simple to set up and deploy**  
Pluggable wire clamp screw block terminals are provided for the I/O wiring connections. Comes with an on-device wiring diagram.
- ✓ **Designed for harsh industrial environments**  
Engineered to deliver uncompromising performance in demanding environments. IP30 enclosure. Operating temperature of -40 °C to 75 °C.
- ✓ **Power supplied by FlexEdge DA70 host controller**  
Maximum power is 3.3 W. Hot-swappable in non-hazardous locations.

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## General

Net Weight (g)	0.01
Packed Width (mm)	215.9
Packed Height (mm)	127
Packed Depth (mm)	215.9
Packed Weight (g)	0.01
Operating Temperature °C Min	-40
Operating Temperature °C Max	75
Storage Temperature °C Min	-40
Storage Temperature °C Max	85
Relative Humidity	0 to 85% max. Relative humidity, non-condensing
Power Consumption (W)	2
Maximum Installation Altitude (m)	2000
Mounting	DIN rail mount (bracket included)
Housing Materials	Metal Housing, Plastic
Packaging Material	Cardboard
Warranty (years)	3

## Identification and Status

Product ID	DAM00PDP1SA00000
Country of Origin	United States of America (the)
HS Code	8517790000

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Dual Usage	No
Export Control Classification Number (ECCN)	EAR99

## Physical Features

Connectors / Input / Output	plug-in jacks
SD Card Slot	Yes
Flash Drive	No
Contains Battery	No

## Certifications and Standards

Protection Class IP	IP30
RoHS Compliant	Yes
CE	Yes
FCC	No
UKCA	Yes
UL	Yes
ATEX	Yes
DNV	No
KC	No
Vibration and Shock	Shock: IEC 68-2-27: Operational 40 g